

Figure 2

· -CH<sub>2</sub>-CH- + H  $-CH_2-CH_2^+-+e^-$ Formation of an Excited state -CH<sub>2</sub>-CH<sub>2</sub>\*radiation -CH<sub>2</sub>-CH<sub>2</sub>-Step 1

Positively charged molecule

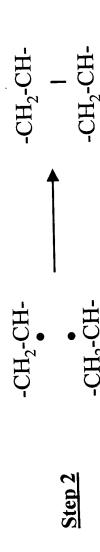
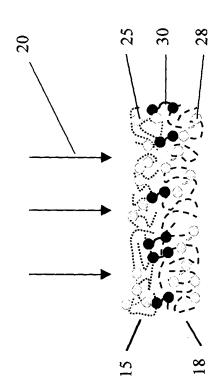


Figure 4

Before cross-linking



After cross-linking

Figure 5

